

## AMENDMENTS TO THE CLAIMS

### 1-4. (Canceled)

5. (New) A communication system comprising a first apparatus and a second apparatus in which a plurality of frequency signals are communicated between said first apparatus and said second apparatus via a common cable,

said first apparatus comprising:

a multiplexing means for multiplexing a plurality of signals which are different in frequency from each other, and for transmitting at least one multiplexed signal to said second apparatus via the common cable; and

a transmission-sided reference frequency signal level detecting means for detecting electric power of a reference signal among the plurality of signals before multiplexing by said multiplexing means; and

said second apparatus comprising:

a separating means for separating the reference signal from the at least one multiplexed signal which is received from said first apparatus; and

a reception-sided reference frequency signal level detecting means for detecting electric power of the reference signal which is separated by said separating means,

wherein said communication system further comprises a signal level control means for controlling electric power of one or more signals other than the reference signal based on a comparison between a result detected by said transmission-sided reference frequency signal level detecting means and a result detected by said reception-sided reference frequency signal level detecting means.

6. (New) The communication system of claim 5, wherein

said transmission-sided reference frequency signal level detecting means detects an average value of electric power of the reference signal;

said reception-sided reference signal level detecting means detects an averaged value of electric power of the reference signal;

said second apparatus further comprises a level detected result transmitting means for transmitting the detected result by said reception-sided reference frequency signal level detecting means to said first apparatus;

said first apparatus further comprises a level detected result receiving means for receiving the detected result which is transmitted by said level detected result transmitting means;

said signal level control means is provided in said first apparatus;

said signal level control means includes a reference signal level control means for controlling electric power of the reference signal based on the compared result, and also includes control modes storage means for storing a corresponding item between controlled results by said reference signal level control means and modes for controlling the electric power of one or more signals other than the reference signal; and

said signal level control means controls the electric power based on the corresponding item stored in said control modes storage means.

**7. (New)** The communication system of claim 5, wherein

said communication system corresponds to a wireless base station system;

said first apparatus corresponds to an indoor unit;

said second apparatus corresponds to an outdoor unit;

said reference signal corresponds to a signal of a transmission system.

**8. (New)** The communication system of claim 6, wherein:

said communication system corresponds to a wireless base station system;

said first apparatus corresponds to an indoor unit;

said second apparatus corresponds to an outdoor unit; and

said reference signal corresponds to a signal of a transmission system.